In the Claims

Please amend page 14, line 1 as follows:

~~**Claims**~~ **What is claimed is:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

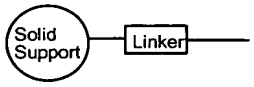
1. (Original) A process for preparation of a fluorohaloalkane of formula (I)

$$X—(CH_2)_n—F \qquad (I)$$

wherein X is halo and n is an integer of from 1 to 6; which comprises:
reaction of the corresponding organosilicon compound of formula (II):

$$\begin{array}{l} \quad R' \\ \quad | \\ R''—Si—(CH_2)_n—F \\ \quad | \\ \quad R''' \end{array} \qquad (II)$$

wherein n is as defined for the compound of formula (I); and
R', R", and R"' are independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl; and
R'' may alternatively be the group:



;

with a compound of formula (III):

$$XY \qquad (III)$$

wherein X is as defined for the compound of formula (I) and Y is halo.

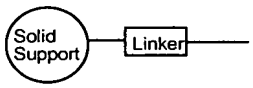
2. (Original) A process according to claim 1 for preparation of a [^{18}F]fluorohaloalkane of formula (Ia)

$$X—(CH_2)_n—^{18}F \qquad (Ia)$$

wherein X is halo and n is an integer of from 1 to 6; which comprises:
reaction of the corresponding organosilicon compound of formula (IIa):

$$R''—Si(R')(R''')—(CH_2)_n—^{18}F \qquad (IIa)$$

wherein n is as defined for the compound of formula (Ia); and
R', R", and R"' are independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl; and
R'' may alternatively be the group:



;

with a compound of formula (III):

$$XY \qquad (III)$$

wherein X is as defined for the compound of formula (Ia) and Y is halo.

3. (Currently amended) A process according to claim 1 ~~or 2~~ which comprises the further step:

(i) isolation of the compound of formula (I) or (Ia); and/or
(ii) conversion of the compound of formula (I) or (Ia) to a corresponding fluoroalkylsulphonyl ester of formula (V) or (Va) respectively:

$$R^1SO_2\text{-}O—(CH_2)_n—F \qquad (V)$$
$$R^1SO_2\text{-}O—(CH_2)_n—^{18}F \qquad (Va)$$

wherein n is as defined for the compound of formula (I) or (Ia), and R^1 is selected from C_{1-6} alkyl, C_{1-6} perfluoroalkyl, aryl, tolyl, perfluoroaryl, and perfluorotolyl.

4. (Currently amended) A process according to ~~any one of claims 1 to 3~~ claim 1 which comprises the further step:

(i) use of the resulting compound of formula (I) or (Ia) in the preparation of a fluoroalkyl ligand or radiotracer, such as a [^{18}F]fluoroalkylated radioligand or [^{18}F]-radiotracer.

5. (Original) A process according to claim 4 wherein the radioligand or radiotracer prepared is selected from:

2-(1,1-dicyanopropen-2-yl)-6-(2-[^{18}F]-fluoroC_{1-6}alkyl)-methylamino)naphthalene,

3-(2'-[^{18}F]fluoroC_{1-6}alkyl)spiperone,

[^{18}F][2-fluoroC_{1-6}alkoxy-5-(5-trifluoromethyl-tetrazol-1-yl)-benzyl]-([2S,3S]-2-phenyl-piperidin-3-yl)-amine,

2-beta-carbomethoxy-3-beta-(4-iodophenyl)-8-(3-[^{18}F]fluoroC_{1-6}alkyl)-nortropane,

[^{18}F]fluoroC_{1-6}alkylflumazenil, and

[^{18}F]fluoroC_{1-6}alkyl-choline.

6. (Currently amended) A process according to claim 4 ~~or 5~~ wherein the [^{18}F]fluoroalkylated radioligand prepared is selected from:

2-(1,1-dicyanopropen-2-yl)-6-(2-[^{18}F]-fluoroethyl)-methylamino)naphthalene,

3-(2'-[^{18}F]fluoroethyl)spiperone,

[^{18}F][2-fluoromethoxy-5-(5-trifluoromethyl-tetrazol-1-yl)-benzyl]-([2S,3S]-2-phenyl-piperidin-3-yl)-amine),

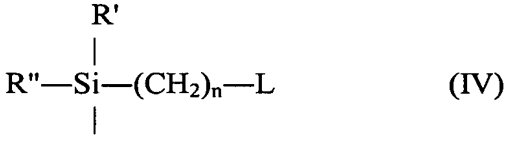
2-beta-carbomethoxy-3-beta-(4-iodophenyl)-8-(3-[^{18}F]fluoropropyl)-nortropane,

[^{18}F]fluoroethylflumazenil),

[^{18}F]fluoromethyl-choline, and

[^{18}F]fluoroethyl-choline).

7. (Currently amended) A process for the preparation of a compound of formula (II) or (IIa) as defined in claim 1 ~~or 2~~ which comprises reaction of a compound of formula (IV):



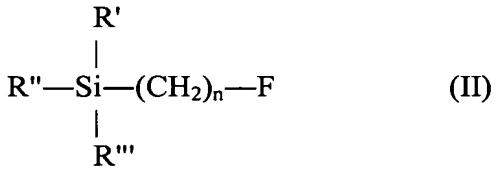
(IV)

R'''

wherein n, R', R'', and R''' are as defined for the compound of formula (II) or (IIa), and L is a leaving group;

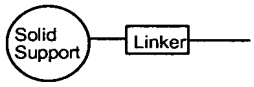
with a source of F^-, preferably $^{18}F^-$ in the presence of a phase transfer catalyst.

8. (Original) A compound of formula (II):

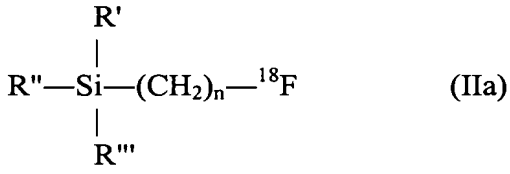


(II)

wherein n is an integer of from 1 to 6; and
R' and R''' are independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl; and
R'' is the group:

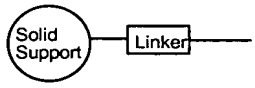


9. (Original) A compound of formula (IIa):

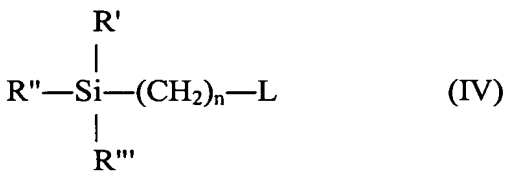


(IIa)

wherein n is an integer of from 1 to 6; and
R', R", and R''' are independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl; and
R'' may alternatively be the group:



10. (Original) A compound of formula (IV):

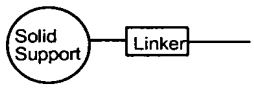


(IV)

wherein n is an integer of from 1 to 6;

R', R", and R"' are independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl; and

R'' may alternatively be the group:



;

L is a group $-OSO_2R^2$ wherein R^2 is selected from C_{1-6} alkyl, C_{1-6} perfluoroalkyl, aryl, perfluoroaryl, tolyl, and perfluorotolyl;

provided that:

(a) when R'' is C_{1-6} alkyl or C_{1-6} haloalkyl, n is not 1; and

(b) when R'' is C_{1-6} alkyl or C_{1-6} haloalkyl and n is 2 to 6, L is not $-OSO_2CH_3$ or $-OSO_2$(*para*-methyl)phenyl.